

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: "Minimum" parts count xmtr.
Message-ID: <19961231032907.AAB20646@LOCALNAME>

Hello "Toob" fans,

I have been working on a simple transmitter that is a 'minimum' parts rig. Two tubes (in this case: a pair of 50JY6 beam Tetrodes -TV horizontal deflection tubes).

The same thing could probably be done with 12DQ6's or 6CU6's or 21KA6's or whatever oddball tubes you comeup with. The circuit configuration is a 'push-pull'

oscillator, modelled after what Frank C. Jones liked back in 1936. The power supply used is VERY simple, but hazardous if you are not very careful! It's a voltage doubler fed DIRECT from the power line. Like the all-American Five AC-DC receiver, you have to WATCH IT! Doubly/triply important in this case as one side of the line goes TO THE CHASSIS!.

The little rig is VERY light for the power it runs! Plug-in coils are used. Power input on 80 meters is about 150 watts, output about 65 watts. On 40 meters, the input is about 120 watts and the output around 55 watts. Not bad for NO power transformer! The plate voltage runs around 310-325 volts under load at from 400-500 ma of cathode current. I bought six 50JY6's during an AES sale (50 cents each!) thinking I'd need them, but so far the original set of tubes has been holding up fine.

I sent this in to Electric Radio for publication some time ago, but haven't seen or heard anything about it yet. If you are interested in a schematic, I'll be glad to send you one for an SASE. I also think the efficiency could be improved somewhat with better tank coil design! (Bigger wire!) From the plate voltages and current, obviously the impedance is low!

Hope everyone has a nice 1997!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: Hallicrafters SR-75, 860 tubes

Butternut HV2V antenna, G-R test gear.....*

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: Conard Murray <ws4s@InfoAve.Net>
Subject: '392 supply help please

Message-ID: <2.2.32.19961231164100.00699484@infoave.net>

Hello,

I am going to start on a power supply for the R-392 that found it's way to my house. I am thinking of a 30~35 volt DC supply regulated to 28~30 volts for the plates and 25 volts for the filaments.

Does anyone have any good ideas on doing this?

Thanks,

De Conard WS4S

```
.....  
. Conard Murray WS4S Glowbugs listowner .  
. 217 Dyer Avenue ws4s@infoave.net .  
. Cookeville, TN 38501 615-526-4093 .  
. <>< Wise men still seek Him <>< .  
.....
```

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996

From: harlan@aciss2.ENET.dec.com

Subject: 390A IF prob.

Message-ID: <9612311633.AA25148@us2rmc.zko.dec.com>

Yo' Y'all

31-Dec-1996 11:36 EST

I'm gettin my butt kicked by a '60 Stewart Warner 390A.
#1222 of order 20139-PC-60, with a Capehart RF deck, and a
Progressitron PT0. Everything else is S-W.

It seems the responce of the 3-2 Mcy IF is not flat.
Look at this: 10db S/N values measured at 11 mhz (dual conv.)
and at 5 mhz (triple conv).

11-12 5-6 PT0
FREQ SENS SENS OUTPUT
KCY uV uV P/P VOLTS

| | | | |
|------|------|------|-----|
| - .0 | 12.5 | 70 | 7.8 |
| .1 | 50 | 250 | " |
| .2 | 160 | 725 | " |
| .3 | 300 | 1000 | 7.6 |
| .4 | 210 | 725 | 7.8 |
| .5 | 85 | 350 | 7.9 |
| .6 | 36 | 125 | 8.0 |

| | | | |
|-----|------|-----|-----|
| .7 | 10.1 | 42 | 8.4 |
| .8 | 2.8 | 15 | 8.4 |
| .9 | .9 | 3.5 | 8.6 |
| +.0 | .7 | 2.5 | 8.8 |

Pretty much tried everything I can think of, new 6C4's through out, Tested the coils and caps in the 3-2mcy cans, DC voltages and Res. is OK on all the mixers and assoc. areas. I also checked T208 and Z501. I also swapped C286. The IF deck meets spec (although its alittle noisy).

Any Ideas? PSE E-mail Direct,I'll report the fix to the list.

Happy NeYear!! and TIA
Dan Harlan N8ETQ
Cleveland.,Oh.
Harlan@aciss2.enet.dec.com

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: "Gary F. Franklin" <103273.1070@CompuServe.COM>
Subject: 4CX1500B
Message-ID: <961231213731_103273.1070_IHH64-1@CompuServe.COM>

Hi Bob

Thanks for the inquiry. I am not interested in any trades at this time.

--73--

Gary K8BKB

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: A phone tip, a trip, I did it again, another HRO
Message-ID: <Pine.SUN.3.91.961231092307.6410A-1000000@indy1>

Hi!

Mike asks, "What is more rare than a doghouse supply for an HRO or a speaker?" while pondering selling the supply from a recent (and thrilling)

find.

Are they that rare? Both of the HROs here (late models, a plain ex-GI 5-T with National-modified ham-bandspreadable coils and a clean 7) arrived with power supplies and the 5T even had a speaker. Doghouse supplies for the earlier receivers are probably rarer (but are, if I remember right, about the same B+ and (with proper choice of tubes to match) heater voltage).

...And if it *is* rare, why not keep it with the receiver? The whole shebang, by and by, would bring more than one more forlorn HRO pining after its original doghouse! :)

While I'm neither a purist nor a superserious historian-collector, I do suffer the notion that as boatanchorists, we can either increase order or aid entropy, and it's better to increase: to reassemble the scattered bits of radio's past. (OTOH, the "radio" budget here never comes close to breaking even, so it could well be argued that entropy is where you find it....<grin>)

73,
--Bobbi

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: ADMINISTRIVIA: The "Horsepower" of the list
Message-ID: <9612310727.aa01278@jackatak.theporch.com>

Gang-

I am pretty sure Stan will forgive me for using his experience as a guidepost for the rest of the list -- perhaps we can ALL benefit from his experience and make the list a better place for everyone...

> Please no more requests for the cap list. I am forced to cancel
> the original offer and reconsider what I can do to get myself out
> of the mess I have created.

There are now 650 paid subscribers to the list, and 50 more tuned in on trial... if as few as 10% become interested in something, there will be 70+/- emails to deal with... a more popular item can draw from 25-50% and that is some SERIOUS "horsepower"!

> I am inundated under a huge pile of requests for...
Yep...

BEFORE you post a willingness to send out free copies, to make copies, to answer everyone, or offer a quantity of a desirable something to the group, first THINK about how large and focused this list is!!!

It is the very size and focus that give this list its horsepower, and

this same horsepower can get quickly out of hand as Stan, Jerry Proc, Larry and others have found out...

PLEASE do NOT abuse this power!

Folks on the list are patient and understand that mailer problems happen... Don't abuse the power of the list or annoy the "Genie" by frivolous posts about mailer problems and changes (which are nasty noise to 95% or 665 of the 700); or one-way communications to an individual posted to the list; or "pings"; or administrative matters; or even simple holiday greetings, or "item sold" notices.

> Ordinarily, you might think I should be pleased but I have
> created a nightmare for myself.
This brings to mind the "Sorcerer's Apprentice"... PLEASE treat the list as a VERY powerful resource, and help maintain the power by maintaining the focus. Keep the paradigm of the symposium in mind, and BEFORE you post, ask yourself if you would stand before 700 highly qualified and expert attendees, who have paid to be able to hold a focused discussion, and tell them you were going to be away from your computer for a few hours! (Or some other equally off-topic and irrelevant comment...)

Let's take this as an opportunity to learn and maintain the power of the list, and make it even better as a resource for FireBottle fans.

> Feel free to flame me on this one...

NO! PLEASE do NOT!!!

Often a comment is made, perhaps based upon experience in other venues on the internet, about flames and abestos garments. This list is polite, and there is NO place for flaming and ad hominem attacks. I wish folks would not invite an attack, especially when no such attack is warranted nor appropriate for this forum... JUST DON'T DO IT!

--

73

Jack, W4KH/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996

From: vancleef@netcom.com (Henry van Cleef)

Subject: Re: Ballantine 300 project

Message-ID: <199612311929.MAA00171@netcom5.netcom.com>

As km1h@juno.com discourses

>

> Anyway this little hunk of grime followed me home last week along with
> many other BA items. Ballantine calls it an Electronic Voltmeter and it
> measures AC only with full scale readings of .01, .1, 1, 10 and 100V RMS
> along with a corresponding dB scale on a 3 1/2" round meter. Tube lineup
> is 6X5, 0A2, 6AL5, (2) 6SJ7, 6J7 and appears to have been built around
> 1956 according to date codes on the original 'lytics and 0A2.

This is the famous Ballantine 300, which was made from "prewar" well
into the postwar era---probably until HP bought them in the sixties.
6AL5 is a tipoff that it is a "late" unit. Early units have a 6H6. I
picked up a nonworking junker for \$5 a while back, and some work
brought it back to life.

>
> My primary interest in this instrument is that it is the same model used
> by National Radio for alignment and S+N/N measurements in the Service
> Dept while I was there. It is just another part of my attempt to
> recreate the tech bench setup that I labored over for many years. BA'ers
> have always been part of the hobby. We used to see a steady stream of
> 20-30+ year old gear come thru the shop 1963-69.

Well, I understand the feeling. Most of the "toys" I gloat about most
are duplicates of what we had in the Millen engineering lab in '56-7,
and a prewar Ballantine 300 is one of them. Other specifics are the
Boonton 250A RX bridge, the GR 650-A Impedance Bridge, Some crystal
calibrator standards (I have Measurements 111A, not the Millen), and
other odds-and-ends. Still missing are Measurements Signal
Generators and Boonton Q meters. So far as including P4 synchroscope
or RCA 158 and 160 scopes, I'll "pass" on that----I have a nice Tek
533A and a couple of others, and don't care to go back to "sine wave
sweep," 100 Khz bandpass, and 2X2 "high voltage." Of course, I have a
Millen grid dip to remind me how often the Chief Engineer lectured me
on getting precision from simple equipment used properly.

>
> After removing wildlife and cocoons from inside the case and electronics
> check it against known SS standards in the shop and forego any alignment
> procedures. What a surprise to find that it tracks to within a needle
> width accuracy from 40 Hz to 24KHz on the 4 lower ranges. (my oscillator
> puts out 10V max). To think of how many years and mishandling and it
> doesn't even need alignment!
>

One of the virtues (and drawbacks) of the 300 is that there isn't much
of anything to adjust. One overall gain (feedback) pot, and some HF
compensators on the attenuator, as I recall. The user "calibration"
procedure is simple: put in low freq AC (400 Hz is good) and adjust so
that the 1-3-10 sequence gives matching indications on adjacent
ranges. Repair procedure if this doesn't work is "send it back to the
factory."

The trick with Ballantine meters is that the meter mechanical zero is way off scale to the left. There is no front panel adjustment; this is a factory setting. If you've got one that someone has tampered with, you can reset it as part of the 1-3-10 technique, but you'll be walking back and forth over the ranges for a while. All of the Ballantines I've worked with were easier to work with and gave a much nicer calibration than the HP 400's I've worked with.

All of the accuracy is in the input attenuator, which is a separate assembly behind the front panel. If in doubt, measure the resistors with a good precision Wheatstone bridge.

> The case and panel now look very presentable after a treatment of

> anyone have a manual copy available.....I don't think I want to wing this
> one.

>

> 73.....Carl KM1H

I think AG Tannenbaum has copies available, and Ed Matsuda can probably fix you up as well.

--

=====
Hank van Cleef

E-mail vancleef@netcom.com or vancleef@tmn.com
=====

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996

From: Spencer Petri <spetri@e-tex.com>

Subject: Belden 9855!

Message-ID: <m0vf9F9-00015kC@e-tex.com>

Gang,

Anyone know the specs on the above cable?

TIA es

73 de Pete WA5JCI

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996

From: Spencer Petri <spetri@e-tex.com>

Subject: Belden 9855-Thanks!

Message-ID: <m0vf9XH-00015zC@e-tex.com>

WOW! That was fast.
Pete

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: Richard Pekelney <pekelney@rspeng.com>
Subject: Re: BOATANCHORS digest 1142
Message-ID: <v03007800aeef395a02f4@[140.174.162.60]>

>>
>> Isn't there a museum of Military Electronics near the Baltimore airport ??

>The NSA museum currently in discussion is only about 10-15 miles
>from BWI.

Directions to the National Cryptologic Museum at the NSA are located at
<http://www.nsa.gov:8080/museum>. This is an excellent museum that contain
many "only displayed here" items worth seeing in its two rooms.

The Historical Electronics Museum (410-765-2345) is in Linthicum, MD right
next to BWI. They are the old "Westinghouse" museum and have many boat
anchors, mostly radar.

rich

--
Richard Pekelney
Internet: pekelnay@rspeng.com
Phone: 1-415-563-5928
Fax: 1-415-563-5787

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: J P Taillebois <jpt1@idirect.com>
Subject: Bonne Annee
Message-ID: <199612311602.LAA26491@nemesis.idirect.com>

To all on the list, a very prosperous New Year.

Jean Paul Taillebois 996 Greenlane court, Oshawa, Ontario,Canada M1K-2C6
e.mail jpt1@idirect.com
packet: ve3jpt@va3vw
voice:905-723-1811
fax/data:905 723-9156
Collector: Hallicrafters,Central-Electronic,Gonset, Military BA, antique

radio memorabilia.

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Steve Hall <hall@azstarnet.com>
Subject: Christmas Present, Wow!
Message-ID: <Pine.GS0.3.95.961230202437.16161C-1000000@web.azstarnet.com>

A fellow that I carpool with found out I liked old radios and gave me the following for a present:

Swan HF 700-S (with Swan VX-4)
Swan PSU-3A
Swan CM17L (Microphone by Shure)
Neato old Key

I haven't been on the air for quite a while, but all of sudden I'm really motivated. Makes me want to upgrade my NOVICE (Really!). Since I'm in Tucson, the radio is in great condition, and I have the manuals, but I don't have the expertise to handle this. I've checked online for resources with no luck, can someone tell me if I'm as lucky as I feel, and maybe a pointer to some resources for getting that great glow/smell going again with this radio?

THANKS AND 73'S
Steve Hall
KD4RHO

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Bob Roach <KE4QOK@worldnet.att.net>
Subject: Re: Christmas Present, Wow!
Message-ID: <19961231142038.AAA18139@LOCALNAME>

At 04:02 AM 12/31/96 +0000, you wrote:

>I haven't been on the air for quite a while, but all of sudden I'm really
>motivated. Makes me want to upgrade my NOVICE (Really!). Since I'm in
>Tucson, the radio is in great condition, and I have the manuals, but I
>don't have the expertise to handle this. I've checked online for
>resources with no luck, can someone tell me if I'm as lucky as I feel, and
>maybe a pointer to some resources for getting that great glow/smell going
>again with this radio?

Hi,

Try the website at <http://www.novia.net/~pschleck/elmers/> This is a

list of people nation wide who are willing to help others with the hobby. I am sure that there are people in your area that would be glad to help out. Also check out the ARRL website for clubs in your area.

Enjoy.

(o o)

-----o00_()_00o-----
73 es TNX

KE4QOK Real radios glow in the dark.
Bob Power is no substitute for skill.
 If it stayed up last winter, it was too small.
136 Hermitage Rd.
Newport News, Va. 23606 KE4QOK@worldnet.att.net [try here first]
(757)930-0348 bob.roach@sourcebbs.com

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: dr.electron@juno.com (Richard L Paton)
Subject: RE: cleaning & Restoration
Message-ID: <19961231.052554.3286.1.dr.electron@juno.com>

Anyone have experience using " Simple Green " & very hot water on cruddy equipment? There was an article in a Tektronix pub c.1973 about cleaning scopes in for service. They basically steam cleaned 'em plus detergent, then heat dried.

I have a procedure by Square D on drying magnet coils that have been flooded; should apply to xfmr's, etc. I'll find, edit & post. Ideas?
Happy New Year
Rich

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: rlahlum@juno.com (Ross J Lahlum)
Subject: Re: cleaning & Restoration
Message-ID: <19961231.144855.3766.3.rlahlum@juno.com>

Rich,

I'll be interested in seeing your article from Square D. Last summer I got a bunch of test equipment from a lab that had been flooded. I had good results with dish detergent & LOTS & LOTS of water to rinse, followed by a distilled water rinse for the more delicate items, then a slow bake in the oven or out in the sun. I'm not entirely sure that dish detergent is the best way to go; I've

been told that
it has ingredients which can remain in the equipment or otherwise damage
delicate parts.
My conclusion - where possible, use water only and dry thoroughly before
applying power!

On Tue, 31 Dec 1996 07:26:19 -0600 (CST) dr.electron@juno.com (Richard L
Paton) writes:

>Anyone have experience using " Simple Green " & very hot water on
> I have a procedure by Square D on drying magnet coils that have been
>flooded; should apply to xfmr's, etc. I'll find, edit & post. Ideas?
>Happy New Year
>Rich
>

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: "Jim Berry" <basalop@eskimo.com>
Subject: Re: cleaning & Restoration
Message-ID: <199701010200.SAA03794@mail.eskimo.com>

Subject: Re: cleaning & Restoration

Hello Tube Folks,

I pretty much agree with cleaning with soap and water and a rinse
using distilled water and baking in an oven or putting that cleaned
gear out in the sun to dry. Sun? We have 9 months of bad weather in
Seattle so don't see much sun. Anyhow, only thing I can add to
this is use compressed air to blow out as much water as you can. I
have a little air compressor that I would never part with. I use it
to first dust the rig out to begin with. Dry it as well as you can
with the compressed air and then either bake it or set it out in that
sun.

73 Jim K7SLI

Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)
Email: basalop@eskimo.com FAX: 360-659-1360
Snail Mail: 5318 142nd PL NE Marysville, Wa 98271

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: joelutz@juno.com (Joseph W Lutz)

Subject: Continue to unbox goodies.

Message-ID: <19961231.040718.2878.4.JOELUTZ@juno.com>

Hi everyone,

With the new year fast approaching, it don't look like I will make it through all the boxes this year. I had to stop and put this one on the list - Anyone remember this one?

Cesco
Tele-o-Patch
Regency Model

For push to talk equipment.

(For 32V-75A series equipment: Globe King, B & W, Ranger, etc)

-----That's right off the enclosed (yellowing at the sides) instructions on this unit that I purchased in around 1961 when I built the Valiant, was going to use it with that, but put it in my foot locker and forgot about it. It has never been used, still in original box with the aforementioned instructions Unit was manufactured by Continental Electronics and Sound Co. Dayton, Ohio.-----

Now this don't 'glow in the dark' and it's not going to knock your back out of wack, but it is a part of yesterday's accessories to our BA's. (It is about 3"X3" with the xmit/rcv and on/off switch. The cover comes off and reveals a parts list and diagram on the back of same. Should be of interest to someone restoring their 'old' configuration. Anyone interested??

Also have almost finished putting three boxes of tubes in the PC and can say that I do have lots of spares for my BA's, along with other tubes that I doubt that I will ever use. I also came up with a Radiant Vibrator type VN-92 Input 6 volts. Never used. Anyone need one of these for restoral? Most all of the tubes are NOS and run from the normal receive type to nuvistors, sweeps, 3CX800A7 & 4CX1500B EIMAC's, 8117A Amprex, 8122 RCA plus some SS replacements for certain tubes (perish the thought). I have started to keep an eye on lists requests for certain tubes and check with what I have or what they can be substituted for. So if anyone needs an odd ball, or even something more common, give me a hollow and I will see what can be done. Egads, going through these boxes are like stepping into a time warp - what memories. Best to all in 97 and have a Safe celebration for the new year. Ciao.

73 de JOE

- - - - -W7LPF/4 (NNN0KUJ)- - - - -
- - -

QWCA - NCVA - SOWP - FISTS
Gordonsville, Va 22942 (Orange County)
WTB: EFJ Adventurer, Hallicrafter HT32

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: the-radio-doctor@juno.com (Rob D Long)
Subject: couple items FS
Message-ID: <19961230.232721.9654.4.the-radio-doctor@juno.com>

In my search for a Boat Anchor Type Station I've run into a few items that may interest the group. These do not belong to me. I received a letter from a fellow with a Collins KWS-1 he offered it to me for 2200.00, I WOULD LOVE to have this TX, However its currently a bit out of my price range! I'm not sure as to condition or any other details. If your interested in this TX drop me a line I'll give you the Contact info.

Second Item is a Complete Ranger (non-working) I'll be picking this up, However the same party has a Cabinet for a Ranger wich is Almost Unblemished! about 99 percent its probably as close to new condition as can be, without finding one in the box. I've seen it a few years back and at the time had little interest. Its been stored Wrapped in a Blanket in a attic along with the parts Ranger and some unknown other items. The Problem is the fellow wants to know what I will pay before he digs them out! So If your interested in a Near Mint Ranger Cabinet Make an offer, I'll pass them on along with my offer on the Non-Working Ranger. Hopefully my offer along with that for the Cabinet will be enough to entice him to dig them out.

73, Happy New Year!

Rob

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: gpewitt@execpc.com
Subject: Crystal Question
Message-ID: <Chameleon.961231180938.gpewitt@execpc.com.execpc.com>

I recently received a lot of CR18/U crystals from a ba list member and I noticed that about half of them have two different frequencies marked on them. For example this one is marked 8905.000 KC on the end and 2163.750 kc on the side.

Both markings appear to be originals. Another is marked 2986.0 kc on the end and 2716.0 kc on the side. I thought maybe the markings were for series resonant and parallel resonant frequencies but the first example has the frequencies too far apart, right? I'd sure like to learn more about the uses of crystals in home brew gear. It's confusing how some are used on their fundamental frequencies and others are used on a harmonic. There doesn't seem to be any rime or reason on how they are used. None of the electronics texts I have aquired so far get into it. Any comments?

Name: Gary Pewitt N9ZSV/KT
6120 W. Calumet Rd. Apt 204
Milwaukee, WI 53223
414 355 8147 Home 414 297 4307 Work
E-mail: gpewitt@execpc.com
From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Re: Crystal Question
Message-ID: <32C9A535.DF7@GHG.net>

gpewitt@execpc.com wrote:

>
> I recently received a lot of CR18/U crystals from a ba list
> member and I noticed that about half of them have two different
> frequencies marked on them. For example this one is marked
> 8905.000 KC on the end and 2163.750 kc on the side.

Hi Gary and list... My guess on those crystals is that the freq on the top would have been the freq that crystal made the radio work on, and the side freq is the actual frequency.

For instance, I have a crystal aero receiver where the freq the radio is on is 4 times xtal plus IF freq if I remember correctly. The xtals in the radio are marked with the freq the radio is tuned to with that crystal in, and the actual freq of the xtal is on the side...

Anyone confirm/deny this?

Thanks and 73,
Ben

--

From the computer of | Collector of fine firebottle
Benjamin D. Hall, Houston Texas | equipment, as well as other things
BDHall@GHG.net (home) -or- | involving Earth, Air, Water, and

Benjamin.D.Hall1@JSC.NASA.gov | Fire.

PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above. My old address,
BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: Re: Crystal Question
Message-ID: <19961231235709.AAA16801@LOCALNAME>

At 11:08 PM 12/31/96 +0000, you wrote:

I'd sure like to learn
>more about the uses of crystals in home brew gear. It's
>confusing how some are used on their fundamental frequencies
>and others are used on a harmonic. There doesn't seem to
>be any rime or reason on how they are used. None of the
>electronics texts I have aquired so far get into it.
>Any comments?
>

Gary,

Someone had a reprint of a booklet published by Bliley that dealt
withr crystals and oscillator circuits. You may make an appeal for a copy
of this. It was a very thorough paper, without 'engineering math' and very
easy to understand.

I don't know of anything else I've seen on cystals except in some of
the very old "Handbooks" when crystal control was the "in thing"!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: Hallicrafters SR-75, 860 tubes

Butternut HV2V antenna, G-R test gear.....

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: Jacqueline Herman <jherman@sierra.net>
Subject: Re: Crystal Question; Books for sale
Message-ID: <Pine.SUN.3.91.961231204647.23770B-100000@diamond.sierra.net>

As an aside, I've noticed that the (now gone) company CW Crystals
supplied holders that had two different freq'ys marked on them:
the original freq'y that the holder's xtal was on, and the ham

band freq'y the newly ground xtal operated on.

I have the following books for sale:

*RADIOTRON DESIGNER'S HANDBOOK, 1953 edition; good cond. \$15/offer

*TERMAN'S ELECTRONIC AND RADIO ENGINEERING, 1955 ed. VG cond. \$20/offer

*CLASS D CITIZENS RADIO, 1960, by Leo Sands. Nice treatment of this new radio service; photos of commercially-built BA rigs of that era. Each chapter covers a particular stage of a typical transceiver, includes circuits diagrams and theory of operation. Hard cover: fair; inside: good. \$5

*BASICS OF PHOTOTUBES AND PHOTOCELLS, publisher is Rider. Fascinating theory and applications of these interesting tubes! Good cond. \$5

*MANUAL OF MAGNETIC RECORDING, 1980, thorough theoretical treatment, 450 pages. \$5

Prices don't include shipping - I like to use 4th class book rate to save buyers some money. I'm still in Nevada, not Hawaii, so a shipped book shouldn't take long to reach you.

... -- --

Jeff KH2PZ / 7

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996

From: rlahlum@juno.com (Ross J Lahlum)

Subject: Cute little BA scope & Drake 2C Sold

Message-ID: <19961231.144855.3766.6.rlahlum@juno.com>

The RCA scope and Drake 2C have been sold.

Thanks for you interest!

73,

Ross KB9JJR

rlahlum@juno.com

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996

From: "Ray L. Mote" <rmote@rain.org>

Subject: Re: dial plate 0-100 over 320 deg -- found!

Message-ID: <Pine.SUN.3.95.961231080346.22425F-100000@coyote.rain.org>

Tom Rice was kind enough to point out that Allied sells two different types of dial plates for potentiometers. See their catalog 956. Page

431 has plates from Memcor-TruOhm, and page 434 has the Ohmite jobs. Both types fit between locknut and front panel; all you need is a pointer knob. Wow, this list works *fast*!! Thanks, folks!

73 & Happy '97.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: w7ni@teleport.com (Stan Griffiths)
Subject: Electrolytics FS
Message-ID: <199612310651.WAA13144@kim.teleport.com>

STOP. HELP.

Please no more requests for the cap list. I am forced to cancel the original offer and reconsider what I can do to get myself out of the mess I have created.

I am inundated under a huge pile of requests for my electrolytic list. Ordinarily, you might think I should be pleased but I have created a nightmare for myself. Let me explain.

I thought I could simplify things if I did not take reservations for the caps but only sold them to the first guy here with the money. I would then refund the money of the others who were too late to buy. The problem is simply this: It looks like I could easily have 100 refunds to mail out. If it costs me 32 cents to mail each one for postage alone and not considering my time or envelopes, I will be out 32 dollars cash for simply making refunds. I can't afford it!! The idea was to make a few bucks by selling something desirable on the boatanchors net to my friends. I really screwed up. I obviously did not see how out of hand this could get.

So let me go back and rethink this again and figure out what I can do.

Sorry for the false alarm. Feel free to flame me on this one as I obviously deserve it. But maybe more useful would be a few suggestions on how I can redeem myself by making a new offer with fewer problems attached to it.

Stan w7ni@teleport.com

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: Richard Hager <rhager@millcomm.com>

Subject: Re: Electrolytics FS
Message-ID: <32C96B1B.2773@millcomm.com>

Stan Griffiths wrote:

>
> STOP. HELP.
>
> Please no more requests for the cap list. I am forced to cancel
> the original offer and reconsider what I can do to get myself out
> of the mess I have created.
> useful would be a few
> suggestions on how I can redeem myself by making a new offer with
> fewer problems attached to it.
> Stan w7ni@teleport.com--

Like many of us, I've given this issue some thought from time to time.

When I sold those 2 scopes and the Dana BA DMM a few days back, I used the usual 'first come first served' technique. It's the fairest way I can see.

However, I don't think it is -really- fair, because there seems to be uneven distribution times on mail reflected from the BA server. I don't believe this has anything to do with Jack (correct me if I'm wrong Jack), but more to do with the vagaries of delivery routing on the Internet.

Several times in the past couple months a for-sale msg has popped up in my box -while I've been on-line-. I've responded within a couple minutes, yet found out that the item had been sold an hour previously.

This has happened enough times now that I think the mail path to me from BA is -consistently- a little slower than it is to others. That's life, I'm not whining about it, but offering things 'first come' will probably consistently deny some people and favor others.

I -still- can't think of a fairer, but still low-hassle, way though!
Sigh...

Richard

Richard Hager

+ Ah-ha! Design Group, Inc. -
+ Precision CNC Technology, since 1991 -
+ 612-641-1797, Fax: 612-641-8681 -
+ "I just like to make things" So... -
+ ...please call Ah-ha! directly for CNC info -
+ <http://www.millcomm.com/~ahha> email: ahha@millcomm.com -

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Re: Electrolytics FS
Message-ID: <32C97ED9.3F99@GHG.net>

Just a few comments from me on the subject of making offers of photocopies and selling stuff...

Beware of what you offer. Like Jack pointed out, there is 600+ people on this list. This bit me square in the rear end when I offered the R-390A Engineering Reports. However, it looks like enough wonderful people stepped forward to "pinch hit" for me that it shouldn't be a problem. I'll be working out exact details tomorrow.

The internet isn't instantaneous. (In fact, in his recent pointless diatribe entitled "Silicon Snake Oil: Second Thoughts on the Information Superhighway", Clifford Stoll conducts a little experiment that proves this point.) A message that takes 3 seconds to get to my fancy e-mail account at work may take three days to find it's way thru my cheesy mailer at my home account. So, I've always been fond of the Larry Ware Method: Give people a week to respond, and send it to the person with the best "I need it" or "I want it really really bad" story. I've always felt good about it...

Thanks and 73,
Ben

--

From the computer of | Collector of fine firebottle
Benjamin D. Hall, Houston Texas | equipment, as well as other things
BDHall@GHG.net (home) -or- | involving Earth, Air, Water, and
Benjamin.D.Hall1@JSC.NASA.gov | Fire.

PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above. My old address, BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: "Joseph W. Pinner" <kc5ijd@net-connect.net>
Subject: fs: DAV-2
Message-ID: <199612312347.RAA24972@dns1.net-connect.net>

I have a DAV-2 (a WWII navy crystal controlled HF set) for sale which I really don't need.

Externally it is in really good shape - paint on the wood case is actually good. There are a couple of gouged places, though, but nothing major. It includes an antenna and headset, but no mike.

The worst problem may to be some humidity damage from long term storage to the electronics though nothing appears that bad.

Offers?

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@net-connect.net

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: "William B. Ross" <billross@txdirect.net>
Subject: FS: T368 Power Transformer
Message-ID: <32C89528.66AF@txdirect.net>

As stated above, I have a spare T368 HV Power Transformer Input 110 VAC.
\$50 pick up San Antonio.

Bill K5LLK

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: Chris Sieg <c_sieg@conknet.com>
Subject: RE: FS:R390 Ant Connectors, again
Message-ID: <Chameleon.4.01.2.961231214938.c_sieg@PIEXX.conknet.com>

Hi R390 Fans,

A few weeks ago I sent out a posting for twin-ax connectors for sale, which I sold out of almost immediately. Well, I went back to my source and came up with a dozen or so more, so if anyone still needs R390 antenna connectors let me know. The price is \$3.75 per connector, shipping is \$2 for the first connector then \$.50 for each additional.

Thanks,
-Chris

Name: Chris Sieg WA3LDI
E-mail: c_sieg@mail.conknet.com (Chris Sieg)
URL <http://www.conknet.com/piexx>
From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: dr.electron@juno.com (Richard L Paton)
Subject: RE:Funky fuses;Bussmann data
Message-ID: <19961230.232759.3278.0.dr.electron@juno.com>

Sorry about any errors. Try this:

URL: <http://www.38north.com/bussmann/Bussmann.html>

E-Mail: fusebox@bussmann.com

Url error: was mix of upper&lower case letters.

E-mail error: was ONE not TWO n's in bussmann

These should be O.K., or let me know.....

[III 011]'s (8) Rich

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: HA HA HEEE HEEEE H00000 H00000 H00000!
Message-ID: <199612311312.FAA22868@dfw-ix6.ix.netcom.com>

Well, I just got back from a 3000 mile trip and am getting back on track with important BA doings.

You may have noticed my attempt to find a T-15 transmitter for my AN/ARC-5 collection. I got an interesting letter which I present for your amusement:

>...I have factory T-15 & T-16 from \$1500 ea and I have 2
>TN-6 loading coil accessories. I have dynamotors, mounts,
>misc parts and pieces, very negotiable. the AN/ARC-5
>equipment sets are not negotiable.....

To which I replied:

>Concerning the ARC-5 units; I'm sure we are not going to be
>able to do business. Here are some prices I have paid
>very recently:
>
>T-17 NOS condition \$125.

>
>T-16 Good condition, couple of small dings,
>from a dealer in New England \$95.
>
>T-126 NIB \$75.....
>
>While I would pay much more then this for a T-15 or T-16
>NIB, I don't believe I'd pay 50% more then the going
>price for a Collins 75A4 or 10% of the price of a KW-1.
>
>I'm sure you'll eventually find someone
>with lots of money and very little sense.

Capitalism....you gotta love it!

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: kilgore@dev.tivoli.com (Jeff Kilgore)
Subject: Happy New Year
Message-ID: <199701010042.SAA05005@wichita.tivoli.com>

I would like to wish all my friends here on boatanchors a Happy New Year and best wishes in all of their endeavors in 1997. I have learned a lot from my fellow boatanchorites, and have found them to be of the highest caliber and it is a pleasure to be associated with each of you.

73,
Jeff Kilgore, KC1MK

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Michael Crestohl <mc@shore.net>
Subject: Happy New Year to All!
Message-ID: <199612311248.HAA11282@northshore.shore.net>

Hello Fellow Travellers (?)

I just wanted to wish all my friends and correspondents here on the Boatanchors List a very happy, healthy and productive New Year. May 1997 bring you all the stuff you ever wanted!

73,

Michael Crestohl, W1RC
mc@shore.net

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Al Klase <alklase@prolog.net>
Subject: Re: Help me identify a tube, please!
Message-ID: <199612310416.WAA06929@uro.theporch.com>

At 06:58 PM 12/30/96 -0600, you wrote:

>Hi Gang,

>

>I recently picked up about 300 used tubes at an estate sale and have
>gradually been sorting through them. I have a bunch of tubes of type 6201,
>and wonder they're the equivalent of anything common.

The 6201 is a ruggedized 12AT7 designed for extended cutoff periods
(i.e digital use).

I think everybody on this list ought to ante up their \$20 bucks and
by a copy of Lud Sibleys "Tube Lore". All this stuff is then at your
fingertips.

73, Al

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: Dave Adams <adamsclan@netgate.net>
Subject: Help with S-53 needed
Message-ID: <32C9BD5E.6189@netgate.net>

Greetings! I just finished re-capping my S-53 and fixed a few cold
joints. I decided it was time for a smoke test and ran into a problem.
There are two resistors going between the sockets of the 5y3 and 6k6.
One is a 1k resistor and is behaving fine. The other (a much larger
resistor)...was not...it got hot...real hot...smoke hot...blister on the
finger hot. So...I can't seem to make out the color bands to see what
this resistor is supposed to be (it reads 260 ohms on the meter which
may (or may not) be fine)...I can make out that there were at one time
bands, but the seem have been removed via cap wax grime. Could anyone

with schematics for this rig take a peek and let me know the appropriate ohm value? I'm not in a position to count the pin positions at the moment, but there are only two trans-socket resistors so it should be visible at a glance. Any help appreciated.

On the lighter side, all the tubes lit up and the speaker made a few poppy sounds before the resistor started to cook, so that is a good thing. I scoped out the rest of the rig, while sitting there post-smoke and couldn't find any shorts. So...barring any problem with that transformer immediately to the left of those two tubes (as long as the schematics are out, feel free to give me details on that), everything should go hunky dunky...we'll see.

73 de dave, n9uxu

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: k0az@i1.net (MIKE SANDERS)
Subject: HRO stuff.....
Message-ID: <199701010138.TAA05836@mail1.i1.net>

Happy New Year All,

Well I got the old HRO home this afternoon. Took a bit of time and got the power up on it. No smoke but no sigs either. Not really surprised.

Has anyone ever seen a 7 coil box? The one that came with this stuff is intact and not in real bad shape. It may be manufactured. It does not look homebrew. I just can't figure out why 7 coils and not 8. If a full set of coils was 9 one could assume one in the receiver and 8 in the box. Construction looks just like the 3 coil box I have. ? ? ? ? ?

All of this stuff is going to require some restoration attention. The coils all look very good but the faces on them are really bad. The charts, plastic and metal rectangles are all in pretty bad shape. Of course a bit of time and paint and they will look good again. The receiver really looks good with a layer of dirt on everything. The manual is original.

In response to several posts I got let me clarify a bit here. I have no HR050 coils for sale. I am actually still looking for an A coil for my 50T1.

I have more good reasons to sell the National Velvet AB supply than to not. I want to check it out first and make sure of its operational condition.

I should have at least one and probably two of coils G, H and J for the HRO for sale. Now these are the early HROs not the 50 or 60. I am not positive yet but I will probably also have an E coil available. I still have to check the inventory.

What I am doing is moving out coils that are duplicates to me. I have been wheeling and dealing HRO coils for a couple years in trying to complete sets for some of my receivers. In this wheeling dealing one

ocassionally gets other coils too. So I guess it is time to move some now with 10 more just coming in the door today.

I am still looking for dial scales for either the 50 or 60 for AA, AC and AD coils. Also a speaker for an early National receiver would be a welcome trade item to me. Obviously I want something to match an early HRO. I have never taken bids on anything that I can remember. If I did I honestly do not remember doing so. But this time I will. Like many others on the list I sure would prefer to trade for fills on my end. But I am really winding down on what I "need" to complete a few units. Maybe something out in left field would entice me who knows. Anyway this may take a while but those interested in low freq early HRO coils should email me directly.

73, Mike K0AZ

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Huntsville Alabama BA sightings
Message-ID: <32C9806B.7F34@GHG.net>

Well y'all, rolled back into Houston from Alabama this morning at about 2am...

On the suggestion of Bill Wilson, I checked out a couple of HSV BA haunts:

Webb Electronics: Down on South Memorial Parkway, Webb Electronics was described by Bill as being a mess of parts. And that it was! TONS and TONS of BA-parts, including switches, knobs, caps, and resistors. Plus, they had about 5 Tek scopes for sale in very dirty condition (one wearing calibration tags dating 1996!) for around \$140(!). Plug-ins ranging from \$30 to \$150. Tons of big HV transformers for big HV prices. I did pick up two 2 by 20 amp line RF filters for my 7.5 kVA isolation/bucking tranformer BA-power supply project...

Mock Electronics: Right accross the parking lot from Webb. Not as much parts action, but they did have one huge BA: A BC-325 transmitter made for the Army (I think) by Federal Telephone. Anyone know particulars on this unit? Like wattage and freq range? I didn't ask a price but it was in the "as is" corner, or maybe due to it's size, the as-is corner grew around it? heh heh heh...

Oh well, less BA's than I hoped but I had a real nice vacation. Gonna be real hard going back to work on the 2nd...

Thanks and 73,

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: ARONGV@aol.com
Subject: Johnson Viking Paint
Message-ID: <961231095322_1323898890@emout14.mail.aol.com>

Hi Gang...

I have a few pieces of Johnson equipment that are now fully restored, except for the cabinet being painted.

I keep hearing that there are guys out there that paint the cabinets, some even do the front panel silk screening. but everytime I ask for a name and number, all I get is something like, "I think he's in Utah!"

Wonder how many others find this situation familiar?

Anyway, I did run into a W6 friend of mine who recently took his Ranger to a paint shop. They matched the paint and sold him a gallon. One quart supposed to be coming my way. I'll let you know when I get some of it on one of my Valiants, if it really is close to that brownish red.

Wishing and hoping....Meanwhile, thanks to the many BA guys who were patient with me until I learned my BA list manners.

De Ron Wo0IZ
Kansas City

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Re: Johnson Viking Paint
Message-ID: <Pine.GS0.3.95L.961231144244.18814A-100000@unixs5.cis.pitt.edu>

I can attest to the quality of work that Ron, AB5WG, does on panel and cabinet refinishing. He did my Johnson Ranger's I and II and they are perfect. His address is 115 First Street, Sugarland, TX 77478 or telephone (713-491-7823 after 6 PM CST.

When I spoke to Ron some time ago, he was going to do Collins front panels and cabinets. I have not heard from him on this project so I cannot tell you if he did or not.

In my opinion, Ron is the undisputed finisher of older equipment. I believe that he does the Hallicrafter S-76 and Viking 500 cabinets and panels.

Thank you.

Dave, W3BJZ
Publisher of the monthly Collins Journal

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: KB9VU@aol.com
Subject: Looking for And....
Message-ID: <961231090247_843136469@emout02.mail.aol.com>

First, Thanks for all the help and information this year from the collective group of BA enthusiasts. Very best wishes for a great 1997!

Next, I am in need of a filter choke for a DX-100B. 7mh @ 150 ma is the rating. Also need a 3 section cap. 20-20-20 @ 450V. I'm hoping to pick up a parts rig but not sure if that will work out yet.

Anyone know if there is a source of repainting for Johnson gear? I have a Valiant that is looking real good on the inside but could use a repaint on the outside.

Anyone have a manual or copy for a Tek 545A scope?

Thanks!

Mike, kb9vu@aol.com

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: LLOYD SCOTT <wpul11130@concentric.net>
Subject: Mail
Message-ID: <32C8903A.246C@concentric.net>

Greetings All: I had severe mail problems during Christmas and into the weekend. I some one sent me mail and I have not answered, please accept my appologies and resend. I think I have the problem solved. (Microsoft is gone and Netscape 3.0 is in)
73's
Lloyd

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: jproc@bellglobal.com
Subject: RE: Manual reproductions

Message-ID: <Chameleon.4.01.2.961231000013.jproc@>

>Seems that the .13 per page was right but the
>foldouts were not .25 a page. Some of them were \$2.95 ea and those
>of the longer configurations were \$5.00 ea.

Larry,

I too have had some experience with manual repros but I haven't been burnt too mainly because I always ask 'how much?' up front. Those prices above are par for the course and are comparable to the posted prices in my local photocopy store. Now that you have acquired experience, I would suggest that you quote repro costs ahead of time for 'once only' manuals. Don't go for it until you have a cash in hand from the purchaser. Many folks don't realize that a manual repros can cost big bucks when the photocopy store does the entire job.

Sometimes comparative shopping is in order. Example: One outfit wanted \$1.80 per sq foot to copy a 66" x 30" BA schematic and I needed two copies. This would have amounted to \$50. I called around a found another place who would do it for 50 cents per sq foot. Now we are talking reasonable.

>Crux of the story is that if I offer you a copy of a military radio
>>manual, be expected to pay accordingly.

Absolutely, but make sure that the price is stated up front to the purchaser.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@bellglobal.com
Radio Restoration Volunteer
HMCS Haida Naval Museum
Toronto, Ontario

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: Re: Manual reproductions
Message-ID: <Pine.OSF.3.91.961231144935.25155B-100000@francis.tenet.edu>

Larry and the group:

I have also made many copies of manuals for list members and others. Twice I have not been paid for them. My copier runs .15 per page and that is what I charge except for the larger 11"x17" that I have to get done elsewhere.

Now, I just don't make the copy until I have the check. It's a real shame it has to be that way.

I hope Jack is still asleep like he was during the "vade mecum" discussion!!! ;-)

Lenox, WA50VG

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: Re: Microwave X-former
Message-ID: <19970101034732.AAA25013@LOCALNAME>

At 03:19 AM 1/1/97 +0000, you wrote:

>Hello guys,

>

>Has anyone ever used a microwave oven transformer for a high voltage power
>supply. I have one that puts out about 1800 VAC and sense it was able to
>pump about 700W into somebody lunch it should have sufficient current
>capacity to be useful. Anybody tried this or know of a reason it won't work.

Shhhh! Not TOO LOUD! You can get those transformers for nothing or next to nothing! They work just great! A lot of them don't have a secondary center tap though and one side is sometimes grounded, so you have to be careful or use a pair of them for a fullwave rectifier arrangement. They will handle lots of current! Two of them, will run a KW easily.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: Hallicrafters SR-75, 860 tubes

Butternut HV2V antenna, G-R test gear.....*

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Ho4bart@aol.com
Subject: my 2 nominations for lowest parts count xmtr

Message-ID: <961231065808_170604922@emout12.mail.aol.com>

one would be the 6 meter single 6bh6 am xmtr in cq in the late 1950s. xtal control & carbon mike to the surpressor.

2nd would be the 1629 xmtr i saw more recently but can't place. you tune the xmtr for max green glow (or is it min glow?) of the xmtr eye tube. oh yes it's a single tube 40/80 cw rig abt 2 w. hue miller

oh and don't try this at home folks, but the early (<5 ??) USN TBX-* used a single 837 as am/cw xmtr. for cw the bias to the surpressor was keyed to shut off the plate while the rest of the tube happily oscillated away. for am the bias was decreased and audio added to the surpressor. 2-5 Mcs i think.

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Robert Nickels <ranickel@mwci.net>
Subject: Re: Mystery photo, Thirties Hamshack identified
Message-ID: <32C88843.67FB@mwci.net>

Richard Post wrote:

> I have seen an ad which identified it as a Wards but have not kept
> track of the location of the ad. Anyone have a Wards catalog from the > mid
30's?

I checked my recently-acquired 1937 and '38 Wards Radio catalogs, but I think this is the Wards Professional Model 37 which was sold only in 1935, per Moore's book. It was evidently a private-labeled version of the Hallicrafters Super Seven. But the mystery continues...

The fledgling Hallicrafters Company had relied on other companies (with RCA licenses) to manufacture some of their receivers. The Super Seven was "probably manufactured by RCA or Howard" according to Moore. (Could your friend have confused "Howard" with "Harvey Wells"?) In any event, the receiver in the picture doesn't come very close to the photos in the book or the Wards catalog. For one thing, the speaker is on the right and the airplane dial is on the left in your photo, and this is just the reverse of the catalogs. Since the sign sees to read correctly, this would rule out a photographic reversal. Also both the speaker and dial are greater in diameter and more symetrically located on your photo. I think the receiver in your picture is a lot sharper-looking than the one in the Moore book. Dachis's book offers an even-homlier photo of the Super Seven, but the metal escutcheons around the knobs are the same. If anything, the mystery set has the classier look of the 5T Sky Buddy, but with a lot of extra knobs!

Maybe this is actually what the receiver looked like, and they were rare enough that Moore wasn't able to find the exact photo for his book. But it is most likely another example of "Airline Technical Apparatus", and the perfect mate for the even-rarer Wards RK-20 rig!

73, Bob W9RAN

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: dfrancis@access.usa.net (Dexter Francis)
Subject: Name a 2E22 substitute
Message-ID: <v01520d04aeef378eab1a@[207.0.57.74]>

Unfortunately my RCA Transmitting Tube Handbook (TT-5) doesn't even list the 2E22. It does show a 2E24 and 2E26, both are Beam Power Tubes. The 2E24 has a quick heating, directly heated cathode and is capable of 42 watts in class AB1 service, according to the Application tables. It's a capped octal, outline 15. Similar types include the 807 and 828 (but with a five pin bases).

A few more details on the 2E22 would be useful. What are the base, outline and power ratings?

-df

* CWest Tube Sales *
"Have Tubes, Will Haggle"
P.O. Box 22443 SLC, UT 84122
(801) 363-TUBE voice/fax
e-mail: tubes@usa.net

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: launerb@crl.com (William H. Launer)
Subject: Re: Name a 2E22 substitute
Message-ID: <v01530500aeef48fbdd82@[192.0.2.1]>

I don't know of any 2E22 substitute, but found it listed as a directly-heated Pentode Transmitting Tube in the 1951 ARRL Handbook.

Characteristics:

Max Plate Dissipation: 30 W

Filament: 6.3v, 1.5 Amps

Max. Plate Voltage: 750

Max. Screen Voltage: 250

Max Screen Diss.: 10 W

Interelectrode Capacitances (mmfd):

Grid to Fil.: 13

Grid to Plate: 0.2

Plate to Fil.: 8

Max Freq (Mc.) Full Ratings: not specified

Connections:

Filament: Pins 1 and 5

G1: Pin 3

G2: Pin 2

G3: Pin 4

Plate: Plate Cap

Power output (Class C Amp.- Oscillator): 53 W (Vp=750)
34 W (Vp=500)

Hope this helps,

73, Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arco #3551
Grid Square EM48RT

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: Re: Name a 2E22 substitute

Message-ID: <19961231232448.AAA28386@LOCALNAME>

At 10:13 PM 12/31/96 +0000, you wrote:

>Unfortunately my RCA Transmitting Tube Handbook (TT-5) doesn't even list
>the 2E22. It does show a 2E24 and 2E26, both are Beam Power Tubes. The
>2E24 has a quick heating, directly heated cathode and
>is capable of 42 watts in class AB1 service, according to the Application
>tables. It's a capped octal, outline 15. Similar types include the 807 and
>828 (but with a five pin bases).

>

>A few more details on the 2E22 would be useful. What are the base, outline
>and power ratings?

>

>

The 2E22 is sort of a "one of a kind" tube. Closest thing to it would be an RK-66.

It is a directly heated cathode, pentode power amplifier. Physically it is the same size and base of an 807. If you are not interested in supressor modulation, then I would suggest the old Hytron HY-69 as a plug-in replacement. There were a ton of these around. They are beam power tetrodes, but the beam forming plates are brought out seperately instead of being internally connected to the cathode. Base connections are exactly the same.

Another commonly available bottle that is pysicaly the same and has the same base connections is the 1624 (NOT 1625!) Electrically the filament is 2.5 volts @ 2 amps instead of 6.3 v @ 1.5 amps. It too is like the HY-69, a beam tetrode.

These are the only substitute I can offer without socket changes etc.

73

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: Hallicrafters SR-75, 860 tubes

Butternut HV2V antenna, G-R test gear.....*

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996

From: "Ray L. Mote" <rmote@rain.org>

Subject: Need knob 0-100 over 320 degrees

Message-ID: <Pine.SUN.3.95.961231073509.22425B-1000000@coyote.rain.org>

I need either a skirted knob or a scale that can be mounted under the knob on a pot that is marked 0-100 over 320 degrees (normal pot rotation range, I think). Anybody know a source for these?

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Of Racks and rackmountage
Message-ID: <Pine.SUN.3.91.961230214726.29156B-100000@indy3>

Hi!

This topic seems to have generated a lot of interest and a lot of cautionary posts.

First off, there's a name for those "racks" that use clipnuts: Scrap Metal! Really--they won't hold much weight. If you must use them, do **not** use the "backwards screw" method, put in as many screws as the panel is set up for, and give serious thought to roll-outs or angle-stock supports fastened at front and rear of the rack.

Second, I said this once and I'll say it again, any rack taller than 4' really should be bolted down...and the shorter ones could stand it, too. It really makes a difference; masonry bits are cheap and so are electric drillmotors and a great number of nifty anchor-gadgets may be found at any hardware store.

Third, about that backwards-screw method: you need to use **long** screws. My standard rack screw at work is a 3/4" button-head Allen, black steel "Unbrako," with a flat nylon washer between it and the panel. (Only drawback is they're hard enough to chew up the rails if crossthreaded!) Even that is a bit short for unsupported installation of heavy devices--1.5" would be better.

It's awfully simple to make a sort of bonfire-pile of 2x4s (two one way, two the other, etc., etc.) to support things close enough to just slide 'em in--then long screws make the mounting process a bit safer, as you can get it grabbed while there's still support under it.

Those torque-limited electric screwdrivers (NOT a drillmotor!) will run 'em in without sore wrists! (Yes, even I will adopt later technology sometimes). This generally calls for Phillips or Allen (or some newfangled oddity) head on the screws; you can use slotted screws but you must have the exact right size screwdriver bit in the power 'driver to avoid cam-out, panel-chewing, and hair-pulling after the damage is done.

Fourth, laying a rack on its back is darned dangerous; so is dropping in the device when with the rack in that position. I would not do it

alone! Some of the mil gear, at least, is provided with hefty handles that would make this procedure safer for the fingers. But standing it up again...! Most of the racks I work with have quite a lot of conduit plumbed in and are bolted down, so that's not an option--the BA rack in the basement at home is presently an exception but only 'til the AC strip gets wired up!

Finally, rack shelves show up at hamfests and are not too difficult to whomp up from available material. For things not originally rack-mounted, this is a simple way to get 'em in. If it looks too ugly, a "dress panel" can be cut to clear the front panel, without the trouble of trying to hang the thing from the front.

73,
--Bobbi
(Who is now thinking in 1.75" increments!)

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: "Edward J. Zeranski" <ejz@nosc.mil>
Subject: Re: Of Racks and rackmountage
Message-ID: <2.2.32.19961231190020.00bd2fd0@marlin.nosc.mil>

>Hi!

>

> This topic seems to have generated a lot of inerest and a lot of
>cautionary posts.

>

> First off, there's a name for those "racks" that use clipnuts: Scrap
>Metal! Roger that!! They are also a pain for folks that have to install
and remove things.

> Second, I said this once and I'll say it again, any rack taller than
>4' really should be bolted down...and the shorter ones could stand it,
>too. If the rack has to semi-portable there are struts available that act
as "outriggers" when you have to do a rollout. Even then it can get iffy
with up top big stuff.

> ... must have the exact right size screwdriver bit in the power 'driver to
>avoid cam-out, panel-chewing, and hair-pulling after the damage is done.

Klein Tools makes double ended tap with drive handle, #627-20, which covers 1/4-20, 10/12-24, and 6/8/10-32 threads which are what you find throughout racks. I got one for each of our guys(me too). Even new racks have clogged or poorly shot threads and BA surplus racks can have all kinds boogered up surprises. That little tool has saved us many times. Rather chase the threads before we start than fight to start #1 screw with a big box hanging there.

>

> Finally, rack shelves show up at hamfests and are not too difficult to
>whomp up from available material. For things not originally rack-mounted,
>this is a simple way to get 'em in.

I've used 2" aluminum angle with fiberboard epoxied to the bearing surface. It is easy to work and stops the metal/metal scrape when the box has to be removed.

Ed Zeranski ejz@marlin.nosc.mil, work
ezeran@cris.com home

Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No person, employer, or govt. should try to take credit for it!

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996

From: wb6zwc@ns.net

Subject: Re: Of Racks and rackmountage

Message-ID: <199612312312.PAA11674@phantom.ns.net>

With all this "rack" talk: is there anyone in Northern California willing to part with a good 19" rack?

=====

Richard@Sacramento

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996

From: Karan Lee Carruth <klccarru@tenet.edu>

Subject: Re: Pulled Muscles from BAs

Message-ID: <Pine.OSF.3.91.961231145627.25155D-100000@francis.tenet.edu>

I in my younger years when I had three 7' racks of boatanchors (wish I still had them!!!) I always put a frame, rack panel or whatever would work just below where I was going to add or remove a heavy BA. Worked well until I discovered the roller side rails which were great!

A word of warning - The closest that I have yet come to being killed was while installing a R-390 (can't remember if it was an A or not) above another piece of equipment. The lower piece of equipment had something else plugged in to a socket at the rear. Everything else below had been removed so I could really get under the 390 and use my leg muscles to get it in the rack. (Yes, Roberta, I was trying to do it right!) I had one

hand on the front panel of the 390 and one behind the support piece of equipment on the rear of the 390. You guessed it - my rear hand pressed against the plug hard enough to move it so that my hand came in contact with the AC line.

What followed was almost unworldly. My mind was working but my hand and arm muscles were not. They were locked solidly on the 390. Fortunately, I finally realized that relaxing my knees would cause my body weight to pull me free. Scared just about everything out of me and left me with a scar where I had been in contact with the line and two bloody hands.

The moral of the story is - when working around racks, UNPLUG EVERYTHING - not just what you are working on.

That was about thirty years ago and I have gotten slightly smarter since - although, some would argue with that!

Lenox, WA50VG

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: R-390A Diode Load Sandy State Audio
Message-ID: <32C98F30.5679@GHG.net>

Hiya folks... Trying to clean the old radio dump (oops, I mean "apartment") and I stumbled across a speaker and audio amp unit (enclosed in a stained wood cabinet, polyurethaned, really sharp!) I built when I did a lot of SWBC listening on a teeny tiny Sangean ATS-808. Ah ha! I'll try it thru a .01 disc cap on the Diode Load terminals of the R-390A... Now that is nice!

I'll be dancing the night away to the Mexican AM stations audible here in Houston... Got to love those trumpets...

73,
Ben
--

| | |
|---------------------------------|------------------------------------|
| From the computer of | Collector of fine firebottle |
| Benjamin D. Hall, Houston Texas | equipment, as well as other things |
| BDHall@GHG.net (home) -or- | involving Earth, Air, Water, and |
| Benjamin.D.Hall1@JSC.NASA.gov | Fire. |

PLEASE NOTE MY NEW HOME E-MAIL ADDRESS above. My old address, BDHALL@GHGCorp.com, will still work for a period of time however.

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: Dennis Gibbs <dgibbs@rational.com>
Subject: R390/URR (Non-'A') FOR SALE, Herndon, VA
Message-ID: <01BBF73E.E940ED40@felix.rational.com>

Greetings all,

Recent acquisitions force me to raise cash, so I am offering up for sale the following:

Collins R390/URR. Excellent condition, very clean. Comes complete with original meters and outer covers. Also comes with the proper three-wire line cord and connector. Among the cleanest R390s I have seen.

Price: \$275.00. However, it is pickup only in Herndon, Va. I do not wish to ship this unit. I will deliver it to the Richmond, VA Frostfest on January 19, or the Odenton, MD hamfest on January 26.

You can contact me via email, dgibbs@rational.com, or leave me a message at (703) 761-4496.

Thanks, and Happy New Year!

Dennis Gibbs
dgibbs@rational.com

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Ho4bart@aol.com
Subject: RAL pal
Message-ID: <961231065003_237713652@emout14.mail.aol.com>

i had an ral that i bot in the late 70s at one of the last places with stacks of surplus gear in seattle. i was tracing down a rumor of a place with "stacks of TCS's". it was a shipbuilding place on lake union that modified surplus mil vessels to be fish processing vessels for the AK fishery. the stacks of tcs were not there but there were stacks of rbm, rbs, and ral, rak and probably other stuff that in hindsight i should have hauled, since the rest went into the smelter pot. i don't remember using the ral on HF, strange, but i did tune it to 500 kcs. for the nightly wx bc out of oregon coastal station (astoria or some such). this must have been before lamp dimmers became so popular cuz w/ indoor antenna in the city it was still r9 rx. it was kind of a swell nostalgia experience as the bc's were chock

full o' terms such as winds, seas, reported drifting, storms, etc etc, a chance to relive the glory days of ship cw. and the meter on the ral would dance around nicely following the cw. (of course i switched it down to save wear&tear.) i now have another ral, it's a grey navy postwar rebuild and instead of the 1930s knobs it has squarish pointer knobs like off an SRT or some such 50s rig. actually it looks really swell so i never plan to replace the knobs & i'll pretend & hope it's true that the navy replaced the orig knobs. one thing that really sends me about this set is the almost-cube shape, i really go for that real boxey look. i have a swell lo resolution ad out of radio news 1950s some year with a rak photo and price like 29\$ or something & shipping weight abt 300 lbs in crates, factory fresh. when first i lived in seattle (shortpants days, so called) i would go down town & on skid row discovered Pacific Surplus. they had a back room lit by one light bulb, really dark, you would walk around & careful not to walk into some huge hulk on the floor, bend down to see what it was and make out something like BC-375 or RAK, tens of these hulks just scattered around in the darkness. i was most amazed at the ral, never seen anything except home radios before and this thing looked positively prehistoric and tuning down to one-five kcs??? their price on the rak was \$25. i couldn't figger out a way to get it home.....so that was that. oh also they sold VT-4C for \$.25, just as a glass curio item. i'd buy a few of them and use them out in the forest as grenades. hue miller, green & black building blocks fan

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Eugene Rippen <soundval@foothill.net>
Subject: Re: REC Panadaptor
Message-ID: <32C88F9E.2B72@foothill.net>

While we have the attention of those interested in Panadaptor - -

Can anyone give me info, or possibly sell me a manual for the following panadapter, which I do own.

"BANDSCANNER" Model 44001-502 Manufactured by
RADIOPHONE CO. INC.

Gene

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Sheldon Wheaton <swheaton@sky.net>
Subject: Re: REC Panadaptor
Message-ID: <Pine.GS0.3.93.961231035401.18639B-100000@sky.net>

> I noticed in the full size Oval Office replica there was a Hallicrafters
> Skyrider behind the President's desk.
>
> Questions that came to mine:
>
> Is it THE radio Truman used?
> Exactly which model is it?
> What did he hear on it?
> How much did he know about operating it?

Wow! Interesting questions. Has the Skyrider been there for a while? I was there last summer and didn't notice it. I'd be embarrassed if it was there and I missed it.

> I'll be at St. Joe hopefully.

We will have 8 tables and 12 people, so feel free to join the gang and have a chair/ unload your goodies as often as you like. Eyeball QSOs are the best part of the hamfests!

> Last year I missed PHD - bad planning on my part.
> Missed Grandview - didn't know about it.

Ouch! I'll try to make a point to send you a note from now on!

Here's what I know of coming up:

3/22 Shrine-fest
4/19 Joplin
4/25 South Sioux City, IA
5/3 PHD
5/15 Dayton
7/20 Washington, MO
8/3 Cedar Rapids, IA
5/14/98 Dayton

73 & Happy New Year,
Sheldon KC0CW

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: wb6zwc@ns.net
Subject: RF tuning coils
Message-ID: <199612312252.0AA09947@phantom.ns.net>

After rewinding a dual coil for a plate tank circuit on an 807 and inserting

it into the transmitter----it just quit after about a minute.

No arcs - no smoke- nothing! Measured the resistance and it was correct for each coil.

Measured the inductance with a bridge and both coils are ok!

Injected a 1.6 mhz and one coil would not resonate. Well, that is the first time I have seen that.

Just trying to share here---It would seem that one coil developed an RF short that could not be detected with resistance or inductance measurements.

I wonder if the LITZ wire has something to do with the mystery?

=====

Richard@Sacramento

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996

From: "David A. Cooley" <cooldave@ipass.net>

Subject: Re: RF tuning coils

Message-ID: <1.5.4.32.19961231230126.00697248@mail.ipass.net>

At 04:54 PM 12/31/96 -0600, you wrote:

>After rewinding a dual coil for a plate tank circuit on an 807 and inserting
>it into the transmitter----it just quit after about a minute.

>

>No arcs - no smoke- nothing! Measured the resistance and it was correct for
>each coil.

>

>Measured the inductance with a bridge and both coils are ok!

>

>Injected a 1.6 mhz and one coil would not resonate. Well, that is the first
>time I have seen that.

>

Is it possibly a problem with a cap that opened or shorted?

Coil may be fine.

Take care,

Dave

=====

| | |
|--|--|
| David Cooley N5XMT | Packet: N5XMT@W4RAL.#RTP.NC.USA.NOAM |
| Internet: cooldave@ipass.net | And Web: http://www.ipass.net/~cooldave/ |
| Sponges grow in the ocean... Wonder how deep it would be if they didn't! | |

=====

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: Richard Hager <rhager@millcomm.com>
Subject: Re: RF tuning coils
Message-ID: <32C994EC.4CD3@millcomm.com>

See Hank's recent posts on Litz wire coils. A -single- broken strand will completely kill the Q of the coil. And those darn strands are pretty easy to break!

I'm kind of surprised you were able to measure the inductance OK. Unless you were using a real low test freq, like 1khz. At 100khz, you should have had a problem getting a sharp null on the L bridge. I would think so, anyway....

Hanks posts should be available from the BA archives. He's posted 2-3 msgs about Litz, that I've seen.

Richard
--

Richard Hager

+ Ah-ha! Design Group, Inc. -
+ Precision CNC Technology, since 1991 -
+ 612-641-1797, Fax: 612-641-8681 -
+ "I just like to make things" So... -
+ ...please call Ah-ha! directly for CNC info -
+ <http://www.millcomm.com/~ahha> email: ahha@millcomm.com -

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: SCR-522 Available
Message-ID: <55002.ddillman@igc.apc.org>

Greetings, floks. It's great to be back on-line after my east coast holiday trip for Christmas.

While at my mom's house, site of my first ham station in the 50s (I expect the historical society to install a bronze plaque soon), I picked up one of the last remnants of that era. It's a SCR-522 that I converted, doubtless according to one of the surplus conversion manuals, for operation on 2m AM (and MCW!). I even made a sheet metal cabinet and front panel for it, all painted black with white press on lettering for the controls and jacks and secured with unpainted pan

head screws. I even bought matching fancy knobs for the controls. Actually, it looks great.

I have some vague memory that it actually worked but of course its operational condition today is a matter of conjecture. However, for the person wishing to do a little amplitude modulatin' with mike or key on 2m, it might be just the ticket.

Price? Well, I'd like to recover the \$15 it cost me to ship it from Long Island to San Francisco. That plus the cost of shipping it to you and it's yours.

If you're willing to offer this fine and historic piece of equipment a new home please let me know by return email.

73,

Dick

Dick Dillman
WPE2VT W6AWO
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: marty@aa4rm.radio.org (locale for Marty Reynolds)
Subject: Silent Key Night
Message-ID: <199612310840.DAA02302@aa4rm>

There were so few participants 2 yrs back I thot that's what SKN meant - seance QSOs with the dead.

M

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Jacqueline Herman <jherman@sierra.net>
Subject: SKN
Message-ID: <Pine.SUN.3.91.961230191105.29720D-1000000@diamond.sierra.net>

I haven't seen anyone talking about Straight Key Night, so just a reminder, don't forget this extremely fun non-contest on New Year's Eve. (Of course, for those of us who only use straight keys daily, it will be like any other night!)

73,
Jeff KH2PZ / 7

P.S. Anyone who has knowledge of aneroid barometers or altimeters
please contact me.

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Source of R-390A's & spare parts
Message-ID: <Pine.SUN.3.95.961231120233.13725B-100000@coyote.rain.org>

Dick Walser, W6NTM in North Hollywood, CA used to have a business
called "Airborne Electronics". He's now retired, but still has a bunch
of R-390A parts & radios in his garage. He still will fix up a
complete receiver and sell it [HINT]. Although he's short on some of
the harder to find parts (mechanical filters, PTO's, some sizes of
gears & gear clamps), he does have quite a few parts available. They
include new gears, clamps, the pots & bracket on top of the IF deck,
anti-backlash gear springs, etc. Might be worth your while to give him
a call...

Dick Walser: (818) 766-2747

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: "Morton L. Denison" <mdenison@postoffice.ptd.net>
Subject: Spectrum Analyzers
Message-ID: <32C99DD4.5FA9@postoffice.ptd.net>

I've got a panoramic spectrum analyzer, Singer SPA-3/25. I 'think' it
works - at least in the calibrate mode.

There's an IF input on the front panel. I've hooked in my R390A via
the IF out BNC connector with no success. There's a socket on the front
for a high impedance probe.

Does anyone have any experience with this combination? Perhaps the IF
output from the R390A is too low to drive it? If so, could it be made
usable with the R390A in some fashion.

I'd sure like to be able to use it - got lots of neat buttons and knobs
plus that great glow-in-the dark 'scope tube.

Anybody got a spare constant voltage xfrm'r that came with it?

Thanks,

Mort Denison

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: Michael Crestohl <mc@shore.net>
Subject: Straight Key Night.....
Message-ID: <199612312028.PAA15409@northshore.shore.net>

Hello Everyone:

Cynthia and I both have colds and are going to stay home tonight and I thought it'd be fun to get on and enjoy Straight Key Night. I rememebr from the past that it starts at 7:00 Eastern Time but don't remember if there were any recommended frequencies. Anyone know?

73 and Happy 1997 to All Men and Women of Good Cheer!

de

Cynthia (VE2QF) and Michael (VE2XZ & W1RC)
mc@shore.net

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: Bill Meara <wmeara@erols.com>
Subject: Re: Straight Key Night.....
Message-ID: <199612312205.RAA27973@smtp2.erols.com>

Michael: I hope you and Cynthia get better soon. SKN should help. QST says we should operate on 80, 40 and 20 meters. Recommended freqs are 60 to 80 khz from lower band edges and 10 khz from lower novice band edges. Use SKN instead of RST. 7pm EST Dec 31 to 7 pm EST 1 Jan. Report to ARRL HQ best fist heard and most interesting QSO. This is the un-contest! Have fun! I'll be on 80 and 40 with BA gear.

Happy New Year and Happy SKN!

73 De N2CQR
Bill Meara
Hallicrafters, Heaths and Hammarlunds

QTH: Falls Church, Virginia, USA
Formerly of Tegucigalpa, Bilbao and Santo Domingo
wmeara@erols.com

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Strange Cell
Message-ID: <57299.ddillman@igc.apc.org>

One of the great things about any obsession is the great people you get to meet who share your interest. The shared passion typically results in an immediate invitation to come visit. Such was the case with a collector in Brooklyn I got to meet during my east coast Christmas visit.

The man and his collection were wonderful. Hugo is about 70 with thick black hair, great taste in radios, a complete machine shop (we're talkin' multiple Bridgeports here) a high sense of humor, a great philosophy regarding women and radios (and life and death) and the ability to relate stories in some of the greatest dialects ever. His collection is vast and ends about where mine starts, date-wise. His shelves are filled with Marconi sets, trench radios, quenched-gap transmitters, loose couplers... you get the idea.

Anyway, the thing I'm writing about is this. As I was admiring what appeared to be a type of dry cell I'd never seen before, he gave it to me. It's completely unfamiliar to me and I wonder if anyone else has seen one.

It's about 4-1/2" high and 2-1/4" wide in a flattened oval case with a cardboard cover. It's advertised as a "Reserve Dry Cell" manufactured by the National Electric Supply Company, Washington, DC. The patent date is 1912. There are two Fahnestock clips for connection, one attached to the case and one attached to a sort of top cap which has, in its middle, a cork! Therein lies interesting part. According to the hard to read instructions on the back when one is in need of some electricity, one removes the cork and pours water into the cell. But this seems not to be a lead-acid battery. The instructions refer to a carbon electrode ("When charging fill the carbon electrode with water and add water as fast as it is absorbed during one hour.") After about an hour you pour the unabsorbed water back out and off you go.

If anyone has any experience with this type of cell and can tell me more about it I'd be very grateful.

73,

Dick Dillman

Dick Dillman
WPE2VT W6AWO
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: vancleef@netcom.com (Henry van Cleef)
Subject: Re: SW-54 B+ filter
Message-ID: <199612310817.BAA25883@netcom8.netcom.com>

As William Hawkins discourses

>
> Have an SW-54 open on the bench with severe capitis - dead electrolytic
> and leaking wax caps. And, someone's been there before me. Now, the
> SW-54 is just an AA5 with a bandswitch, but it has a three stage B+
> filter. From the cathode of the 35Z5 is 330 ohms/2 watts (now twice
> that) and then a 100 ohm/1 watt. I'm sure that 100 ohms is not right,
> so that's my question to anyone with a schematic. What are the two
> B+ filter resistors supposed to be? And is that a 15K/1 watt bleeder
> going to the cathode of the 50C5?

>
The 330 ohm resistor is not in the filter, but is a shunt across the short heater section and pilot light in the 35Z5 plate circuit. This is a recommended value in the tube manuals for AA5 current draw, but generally omitted in most AA5's and 6's.

The filter schematic I have shows 35Z5 cathode going to a 60 mike with 470 pf. across it, and 50C5 plate fed from here. Then through 1000 ohms to a 40 mike. 50C5 screen, 12AT6 plate, and IF screen and plate fed from here. Then through 560 ohms and a 40 mike with .05 mike across it, which feeds the converter.

The SW-54 is pretty much a direct lift from the S-38A, and if National diddled with the filters as much as Hallicrafters did, you can have any of several filter setups. In general, if you want to feed the 50C5 plate from the second filter section, decrease the 1K to 180-220 ohms, increase the 560 to 1K, and connect the AF plate resistor to the third section instead of the second. This is a "least hum" configuration. Also, Hallicrafters put a 22 or 33 ohm resistor between the 35Z5 cathode and the first filter---a good idea if you really are going to feed 60 mikes in the first filter section.

The 50C5 cathode circuit is a bit amusing. The 180 ohm cathode resistor is standard (around -8 volts bias). I can't figure the "priming" resistor running from the plate feed, but it's shown on the schematic. Also, the 5 mike decoupling resistor is unusual in AA5 design---and quite small for decoupling down to anything resembling low frequency. AA5's usual don't decouple the power tube cathode resistor.

AA5 power budget is:

50L6 plate 45 ma., screen 5 ma.

12SK7, 12SA7, about 11 ma. each cathode current, zero signal

12SQ7 plate about 1 ma.

Generally, AA6's with an RF preamp are laid out for more like 8 ma. through the pentodes instead of 11.

Miniature tubes are the same. This assumes 100 volts on the screens, -3 volts on the pentodes, converter oscillator wired in grounded plate configuration (ignore the high freq band booster winding to the converter screen).

You can figure wattages in the resistors from this---derate 50%. These values are a bit high for this radio---I'd guess around 67 ma. total rather than 73.

The small caps across the electrolytics are standard practise, if you want decoupling above audio frequencies. Electrolytics tend to look like soggy resistors to RF.

Both the S-38 and SW-54 have a lot of filter, for an AA5, with the result that the plate-screen busses run closer to about 85 volts than 100. When rebuilding one, it's sort of your choice which setup you want to use. It isn't necessary to decouple the converter and IF screen and plate feeds from each other with two stages running opposite phase. Wouldn't surprise me if National changed the filter network as often as Hallicrafters did.

--

=====
Hank van Cleef

E-mail vancleef@netcom.com or vancleef@tmn.com

=====
From boatanchors@theporch.com Tue Dec 31 23:17:11 1996

From: "Jim Berry" <basalop@eskimo.com>

Subject: SW-54 schematic wanted
Message-ID: <199701010200.SAA03781@mail.eskimo.com>

Hello Tube Fans,

I got a little National SW-54 that I would like to fire up. I do not have a schematic for it. Anyone out there in BA land got a copy they can send me?

73 Jim
Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)
Email: basalop@eskimo.com FAX: 360-659-1360
Snail Mail: 5318 142nd PL NE Marysville, Wa 98271

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Richard Hager <rhager@millcomm.com>
Subject: Re: Tektronix Manual
Message-ID: <32C87694.7654@millcomm.com>

Don Flenner wrote:

>
> Hi All,
> looking for an operators manual for a Tektronix 465 scope. If you have
> one available or could make a copy it would be appreciated.--

I've never seen an "operator's manual", just the manual that came with the 465 when new, which is an "operations and service manual".

The 'book' is almost an inch and a half thick! It would be a horrendous copying job.

First call the "usual suspects" for used manuals, like Linda Perkins, Ed Matsuda, etc.. I'd guess you could buy one in the \$35 range. Second, you could call Tek and get the microfiche for maybe \$18. Used fiche readers run \$10-15 at the surplus houses around here. And if your friend needs some of it on hardcopy, he could print what he needed at the local library.

Good luck! The 465 is a really sweet scope.

Richard Hager

+ Ah-ha! Design Group, Inc. -
+ Precision CNC Technology, since 1991 -

+ 612-641-1797, Fax: 612-641-8681 -
+ "I just like to make things" So... -
+ ...please call Ah-ha! directly for CNC info -
+ <http://www.millcomm.com/~ahha> email: ahha@millcomm.com -

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: don merz <71333.144@CompuServe.COM>
Subject: The BC-325
Message-ID: <970101014200_71333.144_DHB22-2@CompuServe.COM>

The BC-325 is an early WWII transmitter that is a 1930's design. It uses 803s in the final to deliver 400 watts CW and 100 watts of grid-modulated AM. It weighs just under 900 pounds. As part of SCR-197, it was predecessor to the BC-610 in the SCR-299/399 trucks. It was one of those designs that came before Fort Monmouth realized that blitzkrieg warfare was far too fast for a radio that required hours to set up.

The BC-325 at Mock Electronics is one of only 3 that I am aware of left alive anywhere on earth. It has been at Mock since the mid-1960's and the price as of about a year ago was \$700. Another one is part of a ham's estate that is slowly being liquidated. It was advertised in ER about 8 months ago but was never sold as far as I know. The last one is in my basement paired up with 2 of the 3 BC-342s that originally made up SCR-197. I also have the RM-7 remote control unit that goes with it. I bought mine from the Bananosky's about 3 years ago for \$225. It was standing in the middle of a field when I went to pick it up but its' in excellent shape. I reddened with shame when I admit I've never had time to put it on the air.

If anyone knows the whereabouts of any others I would appreciate hearing from you. No real reason for that--just curious.

73 and Happy New year!
Don

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: dfrancis@access.usa.net (Dexter Francis)
Subject: Re: Unplug everything!
Message-ID: <v01520d0aaeef51e6d5a6@[207.0.57.74]>

This advice should be engraved on the inside of everyone's eyelids. To wit:

Over the holidays I decided to do a little PM on our house's electrical system. We're wired for 220, as the original heating system has radiant panels in the ceilings. While unconnecting the white wires (cold, right?)

working on one outlet, much to my surprise, all the lights in the ceiling went really bright and there was a poof/pop sound from the opposite corner of the room. I immediately pulled the plug on everything, but too late. The 27" Proton TV Monitor was flatlined. (ZUT!)

On closer examination I discovered that someone had installed a 15 amp breaker in the panel but hadn't cared (or known?) about the alternation of phases as one moves down the bus. This created a situation where there were outlets and lights in the same room with the hot leads 220 volts apart, sharing the same neutral.

I'm still not sure how it happened, but when I broke the neutral connection at the receptacle (there were 5 wires to the poor screw rather than being pigtailed into a wire nut....) the 220, (dropped a bit by it's trip thru some lights) was applied to the power supply section of the TV with the expected result - a blown 4 amp fuse and the firecrackered zener diode. Fortunately the toasted components did their job, protecting the rest of the set, but I was double sure to move that 15 amp breaker up a slot and get it on the same side of the bus as all the other circuits in the room. Fortunately all the BA gear, which shared the outlet circuit - was off at the time or I may have been looking for more than a fuse and a zener.

Moral of the story: Don't assume that everything is "normal". Unplug everything on the line before you start to fiddle with those electron pipes. Double check things back to the breaker box and by all means: "Let's be careful out there."

-df (and Happy Holidays y'all..)

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e-mail: tubes@usa.net

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: Victoreen Gizmo - Color Code
Message-ID: <UPMAIL03.199612312350370610@msn.com>

Hi Gang, Jerry Procter gave me the color code for my anal thermometer
Victoreen gizmo, Brown, Brown, Brown,
And I thought the Canuk's had no sense of humour.

BTW, jerry , Iam not sure why your ship's are HMCS and Great Britain is

HMS. I know Her Majesty Ship, but whats the C for (Canada, Commonwealth, ?)
You know if I have to ask this question, I am pretty dumb.

BTW, I hope the weather gets better up there for you and the Northern United States. It hit 75 % in Houston today and I am wearing shorts while I type this.

Your Friend Al
fritsche@msn.com

From boatanchors@theporch.com Tue Dec 31 23:17:11 1996
From: jproc@bellglobal.com
Subject: RE: Victoreen Gizmo - Color Code
Message-ID: <Chameleon.4.01.2.961231191250.jproc@jproc.bellglobal.com>

>Hi Gang, Jerry Procter gave me the color code for my anal thermometer
>Victoreen gizmo, Brown, Brown, Brown,
>And I thought the Canuk's had no sense of humour.

Al,

Huh??? Certainly not quoted by me! Why is this posted to the list?

>BTW, jerry , Iam not sure why your ship's are HMCS and Great Britain is
>HMS. I know Her Majesty Ship, but whats the C for (Canada, Commonwealth, ?

HMCS = Her Majesty's Canadian Ship

Regards,

Jerry Proc VE3FAB
E-mail: jproc@bellglobal.com
Radio Restoration Volunteer
HMCS Haida Naval Museum
Toronto, Ontario

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: k1zat@dsport.com
Subject: Re: Washington, Dc & Baltimore BA Haunts
Message-ID: <Pine.GS0.3.95.961230221821.3509H-100000@puff>

>

> Isn't there a museum of Military Electronics near the Baltimore airport ??

The NSA museum currently in discussion is only about 10-15 miles from BWI.

jd

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: john roccaro <jroccaro@chesco.com>
Subject: Wattmeter Question TS 1285/URM-120
Message-ID: <32C98104.4B27@chesco.com>

I called Fair Radio to try to get the little diode "bullet" for this thing, but they need a diode type (eg. 1N###). The detector is a CU/753/URM. The diode has numbers: 100506 & below it 8202. Also, "microwave" is printed below these numbers, which is a little curious because the detector is for 2-30 Mc. Fair Radio says you gotta get the right diode to maintain precision. The diode reads 150 ohms in either direction. I have another detector for 200-1000 Mc. - it's diode resistance appears to be normal (ie high in one direction, low in the other). I'd appreciate any comments on the qualities of this meter, availability of the missing 30-200 Mc detector(s), documentation, experiences and other like surplus wattmeters (I thinking of buying this one). TNX!

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: Sheldon Wheaton <swheaton@sky.net>
Subject: Weskit BN-1 pictures & schematic
Message-ID: <Pine.GS0.3.93.961231034837.18639A-100000@sky.net>

With all the recent discussion about the Weskit BN-1, I've added a page about it on my Web site. Included are a scanned image of the rig itself (from the manual), some technical information from the manual, and the schematic for this little "one tube wonder" transmitter-receiver.

see it at: <http://www.sky.net/~swheaton/bn1.html>

Or, if you don't have WEB access, but can view GIF images attached to email, send me a note. (please specify the type of encoding you need).

73,
Sheldon KC0CW swheaton@sky.net

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: David Cooley <cooldave@ipass.net>
Subject: What's a BC-688-A
Message-ID: <1.5.4.32.19961231143242.00679ce4@mail.ipass.net>

Hello all,
In my quest for a chassis to build a 12V 35amp power supply in, I was given a BC-688-A receiver. The large connector labeled "to junction box" has been filled with epoxy, I would assume the military did this when they surplused it. Just curious what freq/mode etc it covered, what tubes a VT112 and VT109 xref to etc.
The front end from the ant. conn back looks interesting as well... One acorn tube used for the mixer.

Thanks,
Dave

=====

| | | |
|--------------|--------------|--------------------|
| David Cooley | A.K.A. N5XMT | cooldave@ipass.net |
|--------------|--------------|--------------------|

<http://www.ipass.net/~cooldave/>

=====

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996
From: "Joseph W. Pinner" <kc5ijjd@net-connect.net>
Subject: Re: What's a BC-688-A
Message-ID: <199612311537.JAA14140@dns1.net-connect.net>

BC-688:

Receiver - 515 Mc
It is part of the SCR-518 radio altimeter which includes the BC-689 transmitter and BC-690 control box.

| | |
|--------|------|
| VT-109 | 2051 |
| VT-112 | 6AC7 |

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijjd@net-connect.net

From boatanchors@theporch.com Tue Dec 31 15:18:40 1996

From: William Donzelli <william@ans.net>
Subject: Re: What's a BC-688-A
Message-ID: <199612311533.AA08455@interlock.ans.net>

The BC-688-A is the receiver portion of an early RCA radar altimeter - I think it worked in the low UHF/high VHF range. The transmitter is BC-689-A, the control box is BC-690-A, and the power unit is PE-112-A. I do not know what the indicator (probably a J scope) or junction box are called.

Incidentally, the transmitter used those goofy 8012/8025 triodes one sees from time to time.

William Donzelli
william@ans.net

From boatanchors@theporch.com Tue Dec 31 08:25:47 1996
From: the-radio-doctor@juno.com (Rob D Long)
Subject: WTB:old QST,73, Etc.
Message-ID: <19961230.102354.12118.0.the-radio-doctor@juno.com>

I've been missing them left and right! I'm looking for some old Amateur mags, Please let me know what you have! I don't need perfect condition mags, Just readers, Don't even mind if they are a little smelly!

Rob.

Also still looking for BA TX/RX if you have one to part with let me know.